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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Judith E. Schwabe		
Assignee:	Sun Microsystems, Inc.		
Title:	REMOTE INCREMENTAL PROGRAM VERIFICATION USING API DEFINITIONS		
Serial No.:	10/661,043	Filing Date:	September 12, 2003
Patent No.:	7,231,635	Issued:	June 12, 2007
Examiner:	Jason D. Mitchell	Group Art Unit:	2193
Docket No.:	P-4172CNT		

Monterey, CA
November 1, 2007

ATTENTION: CERTIFICATE OF CORRECTIONS BRANCH
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Certificate
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of Correction

REQUEST FOR ENTRY OF CERTIFICATE OF CORRECTION

Sir:

Please enter the enclosed Certificate of Correction (PTO Form 1050) in the above patent.

The errors sought to be corrected were made by

[X] The Patent and Trademark Office as explained below. Thus, no fee is required for the Certificate of Correction pursuant to 37 CFR §1.322.

[ ] Applicant(s) (at least in part). See next section for explanation. This appropriate fee under 37 CFR §1.323 has been authorized below.

Attached as Exhibit A (4 pages) is a copy of the relevant pages of the Amendment as filed on October 27, 2006, which support the requested corrections to Claims 8, 12, 13 and 19, and show that the errors were made by the U.S. Patent and Trademark Office.

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As shown in Exhibit A, on page 5 of the Amendment, Line 13 of originally numbered Claim 35 (renumbered in the Patent as Claim 8) reads "…type specific instructions and data…." The same line in the patent at Column 31, Line 2 reads "…type specific instruct ions and data…."

As also shown in Exhibit A, on page 6 of the Amendment, Lines 1-2 of originally numbered Claim 39 (renumbered in the Patent as Claim 12) show that Claim 39 is dependent on originally numbered Claim 36 (renumbered in the Patent as Claim 9). The corresponding line in the patent at Column 31, Line 35 shows Claim 12 as being dependent on Claim 10 in error. Claim 12 is dependent on Claim 9, not Claim 10.

As also shown in Exhibit A, on page 7 of the Amendment, Line 12 of originally numbered Claim 40 (renumbered in the Patent as Claim 13) reads "…said API definition file…." The same line in the patent at Column 31, Line 58 reads "…said API definition tile…."

As also shown in Exhibit A, on page 7 of the Amendment, Line 16 of originally numbered Claim 40 (renumbered in the Patent as Claim 13) reads "…error when a program unit…". The same line in the patent at Column 31, Line 65 reads "…error when h program unit…".

As also shown in Exhibit A, on page 9 of the Amendment, Line 7 of originally numbered Claim 46 (renumbered in the Patent as Claim 19) reads "…implementation is not internally…". The same line in the patent at Column 33, Line 5 reads "…implementation is net internally…". NOV 7 2007

Although it is believed that no fee is required, the Commissioner is hereby authorized to charge any fees required

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for consideration and entry of the enclosed documents, and to credit any overpayment of fees to Deposit Account No. 50-0553.

Please direct all inquiries concerning this request to the undersigned attorney.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 1, 2007.

Attorney for Applicant(s)

November 1, 2007
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Respectfully submitted,

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35. (Previously Presented) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for program verification, said method comprising:

providing a program in memory, the program comprising at least one program unit, each program unit comprising an Application Programming Interface (API) definition file and an implementation, each API definition file defining items in its associated program unit that are made accessible to one or more other program units, each implementation comprising executable code corresponding to said API definition file, said executable code comprising type specific instructions and data; and

performing a first verification prior to an installation of said program, comprising:

indicating a verification error when a first program unit implementation is not internally consistent;

indicating a verification error when said first program unit implementation is inconsistent with a first program unit API definition file associated with said first program unit implementation.

36. (Previously Presented) The program storage device of claim 35, said method further comprising:

enabling execution of said program after said first verification if no verification error is indicated; and

preventing the execution of said program after said first verification if a verification error is indicated.

37. (Previously Presented) The program storage device of claim 36, said method further comprising performing a second verification comprising verifying a second program unit that references said first program unit and makes no items available

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Exhibit A

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for one or more other program units, said second verification comprising:

indicating a verification error when the second program unit implementation is not internally consistent; and

indicating a verification error when said second program unit implementation is inconsistent with said first program unit API definition file.

38. (Previously Presented) The program storage device of claim 37 wherein:

said first program unit comprises at least one additional implementation; and

said second verification comprises determining whether said at least one additional implementation is consistent with said first program unit API definition file.

39. (Previously Presented) The program storage device of claim 36, said method further comprising performing a second verification comprising verifying a second program unit that references said first program unit, said second verification comprising:

indicating a verification error when the second program unit implementation is not internally consistent;

indicating a verification error when said second program unit implementation is inconsistent with the second program unit API definition file; and

indicating a verification error when said second program unit implementation is inconsistent with said first program unit API definition file.

40. (Previously Presented) A program storage device readable by a machine, embodying a program of instructions

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executable by the machine to perform a method for program verification, the method comprising:

providing a program in memory, the program comprising at least one program unit, each program unit comprising an Application Programming Interface (API) definition file and an implementation, each API definition file defining items in its associated program unit that are made accessible to one or more other program units, each implementation comprising executable code corresponding to said API definition file, said executable code comprising type specific instructions and data; and

performing a first verification prior to execution of said program, comprising:

indicating a verification error when a program unit implementation is not internally consistent;

indicating a verification error when a program unit implementation is inconsistent with its API definition file; and

indicating a verification error when a program unit implementation is inconsistent with the API definition file of a program unit referenced by said program unit.

41. (Previously Presented) The program storage device of claim 40, said method further comprising performing a second verification comprising verifying said program after at least one program unit has been verified at least once, said second verification comprising:

indicating a verification error when a program unit implementation is not internally consistent;

indicating a verification error when a program unit implementation is inconsistent with its API definition file; and

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44. (Previously Presented) The computing system of claim 43, further comprising:

means for performing a second verification comprising verifying a second program unit that references said first program unit and makes no items available for one or more other program units, said second verification comprising

means for indicating a verification error when the second program unit implementation is not internally consistent; and

means for indicating a verification error when said second program unit implementation is inconsistent with said first program unit API definition file.

45. (Previously Presented) The computing system of claim 44 wherein:

said first program unit comprises at least one additional implementation; and

said means for performing a second verification comprises a means for determining whether said at least one additional implementation is consistent with said first program unit API definition file.

46. (Previously Presented) The computing system of claim 43, further comprising means for performing a second verification comprising verifying a second program unit that references said first program unit, said means for performing said second verification comprising:

means for indicating a verification error when the second program unit implementation is not internally consistent;

means for indicating a verification error when said second program unit implementation is inconsistent with the second program unit API definition file; and

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,231,635

APPLICATION NO. : 10/661,043

DATED : June 12, 2007

INVENTOR(S) : Judith E. Schwabe

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 31:
Claim 8, Line 2, replace "instruct ions" with --instructions--;
Claim 12, Line 35, replace "claim 10" with --claim 9--;
Claim 13, Line 58, after "definition", replace "tile" with --file--;
Claim 13, Line 65, between "when" and "program", replace "h" with --a--.

In Column 33:
Claim 19, Line 5, before "internally", replace "net" with --not--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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